

BSc CHEMISTRY

BSc & BSc HONOURS PROGRAMS

FACULTY OF SCIENCE

UPDATED FEBRUARY 2012

This Academic Planning Guide highlights major points only regarding admission and transfer. Students are advised to read the university and RDC calendars, and the Alberta Transfer Guide for other necessary information. Some courses listed may have prerequisites; see [Course Descriptions](#). **Access this guide online:** www.rdc.ab.ca/academic_advising.

YEAR ONE SUGGESTED COURSE SEQUENCE

| FALL | WINTER |
|---|---|
| MATH 202 or MATH 203 (3) ¹ | MATH 204 (3) |
| PHYS 205 (3) | PHYS 226 (3) |
| CHEM 211 (3) ² | CHEM 212 (3) ² |
| NON-SCIENCE OPTION (3) ^{3, 4, 6} | NON-SCIENCE OPTION (3) ^{3, 4, 6} |
| ARTS OPTION OR OPEN OPTION (3) ³⁻⁶ | ARTS OPTION OR OPEN OPTION (3) ³⁻⁶ |

NOTES:

- Students with a grade of 70% or higher in Math 31 are advised to take MATH 203.
- Students switching from BSc Engineering to BSc Chemistry: CHEM 205 cannot be used in lieu of CHEM 211 or CHEM 212.
- Graduation requirements for this program require at least *60 from outside the major field, of which at least *24 must be courses selected from faculties outside of the Faculty of Science. Of these *24, at least *6 must be taken from the Faculty of Arts. An Open Option means you can take any course from the *Open or Arts Options* list in *Item 4* below plus science courses in *Item 5* below.
- The following is a list of courses *recommended* by UofC that can be used to fulfill first year **Non-Science Options, Open Options, or Arts Options**; prerequisites must be met: ANTH 200, 201, 306, 309, 356; ART 201, 203, 231, 233, 241, 243; CLAS 209; COMM 271, DRAM 201/202 (6), ECON 201, 202; ENGL 219, 220; FREN 101, 102, 202, 203; GEOG 251 or BIOL 209, GEOG 382; 200-level HIST; MUSE 201, 203, 209; MUSI 234, 257, 258, 259/260 (6); PHIL 201, 202, 221; PSYC 260, 261; SOCI 260, 261; SPAN 101, 102, 201, 202. However, other transferable courses in ANTH (not 309), ART, COMM, DRAM, ECON, ENGL, FILM, FREN, GEOG, HIST, MUSE, MUSI, PHIL, POLI, PSYC (not 312), and SOCI (not 310) may be taken. Seats in some ART, DRAM, MUSE, and MUSI courses may have major restrictions and therefore your access may be limited. Do not take KNSS, KPAC or KDNC as these courses will not be credited to a Faculty of Science degree. Use the Alberta Transfer Guide to determine credit transfer.
- If you wish to take science courses to fulfill a first year **Open Option** the following is a list of science courses *recommended* by UofC; prerequisites must be met: ASTR 205, BIOL 217, 218, MATH 221, PSIO 262, STAT 251. Do not take CHEM 351 in year one. However, other transferable courses in BIOL plus BIOC 393; CMPT 201,

261; GENE 370, MICR 365, PHYS 241, ZOOL 325, 342 may be taken. Do not take KNSS, KPAC or KDNC as these courses will not be credited to a Faculty of Science degree.

6. When selecting **Open Options and Non-Science Options**, students should consider that UofC encourages all students to include an international component (see [Make Your Degree More International](#)).

ALL BSC CHEMISTRY STUDENTS ARE STONGLY ADVISED TO:

1. Consult [Course Descriptions](#) for any course pre-requisites,
2. Check [Alberta Transfer Guide](#) concerning course credit transfer to UofC, and
3. Consult transfer admission and program requirements in the current [UofC Calendar](#) and appropriate [UofC websites](#).

TRANSFER CHECKLIST

1. Admission to all undergraduate programs at UofC is on a competitive basis in order of academic merit until all available spaces are filled.
2. If a student transfers with *3 to *6 (3 to 6 credits) the GPA will be taken on high school coursework only (minimum 78%). For applicants presenting *9 to *15, the GPA will be taken from high school GPA (minimum 78%) and postsecondary averages. With *18 or more completed, the GPA is taken on postsecondary coursework only.
3. The [transfer admission GPA](#) is calculated over the most recent coursework to a maximum of *30. All grades within a term will be included except where the number of courses taken within a term exceeds that required to fulfill *30 in which case the highest grades will be used.
4. The [final admitting GPA](#) to this program for Fall 2011 was 2.00.
5. Courses taken in the Spring term prior to admission will not be accepted towards the admission GPA.
6. **Transfer courses** are courses that are considered to transfer to the UofC regardless of the grades obtained (including D and F grades) and all grades in such courses within the most recent *30 will be used in the determination of the admission GPA. A D grade is transferable to UofC but restrictions exist ([UofC Calendar 3.4 B \(b\) & \(c\)](#)). A grade of C- is required to fulfill a prerequisite and should be achieved to facilitate admission to your chosen major ([UofC Calendar 3.5 C](#)).
7. **Junior-level Courses:** Up to *54 at a junior-level (200-level at UofC) may be taken towards BSc Chemistry.
8. **Academic Status:** Applicants who have earned a GPA below 1.7 are considered by UofC to have earned the academic status equivalent of Required to Withdraw; you are advised to consult the UofC Calendar and the Office of the Registrar at UofC if this scenario applies to you.
9. **Application deadline:** April 1st. Applicants are encouraged to indicate up to 2 choices of programs when completing their application for admission. This should be done in the event that they are inadmissible to their first program choice. No additions or changes to the application can be made after April 1st.
10. **Documentation deadline for transfer students:** June 30th

HOW TO FIND MORE INFORMATION

[Science Department](#)

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warren.elgersma@rdc.ab.ca
http://www.rdc.ab.ca/about_rdc/academic_departments/sciences

[Academic Advising](#)

Academic Advising Centre: Room 1102
advisors@rdc.ab.ca 403-342-3400
http://www.rdc.ab.ca/academic_advising

[RDC Website](#)

<http://www.rdc.ab.ca>

[RDC Timetable](#)

<http://www.rdc.ab.ca/timetable>

[Alberta Transfer Guide](#)

<http://www.acat.gov.ab.ca>

[Department of Chemistry](#)

uginfo@chem.ucalgary.ca 403-220-6049
<http://www.chem.ucalgary.ca>

[Faculty of Science](#)

Undergraduate Program Office ([UPO](#))

<http://science.ucalgary.ca/>
403-220-5881

PLEASE NOTE:

Be aware that you are responsible for ensuring that your registration is complete and appropriate and that your course choices comply with the program to which you have been admitted at Red Deer College and/or to the university to which you wish to transfer.

You are cautioned that any changes to your courses, your major or your transfer destination may adversely affect your transferable credit, admission requirements for future programs, or eligibility to graduate from a Red Deer College program. Consult with an academic advisor if you have any questions.

The function of academic advisors is to provide students with information and resources that enable them to make informed decisions relevant to their education. These resources include the Red Deer College Calendar, the Academic Planning Guide for your chosen program and destination university, the Alberta Transfer Guide and the calendar and contact information for your destination university. Academic advisors will assist you in interpreting information from these resources or refer you to your destination university if appropriate. Students in university transfer programs are strongly advised to refer to the calendar of the university to which they wish to transfer and should contact appropriate university departments as required.